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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,760	05/01/2002	Oren Kramer	27986-713	7597

21971 7590 01/28/2004

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650 PAGE MILL ROAD  
PALO ALTO, CA 943041050

EXAMINER
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PRIZIO JR, PETER

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 01/28/2004

8

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/049,760		KRAMER, OREN	
	<b>Examiner</b>		<b>Art Unit</b>	
	Peter Prizio		2674	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 May 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All   b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____   |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>7</u> . | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

#### ***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### ***Specification***

2. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

#### ***Drawings***

3. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

#### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 9 – 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite in that it fails to point out what is included or excluded by the claim language. This claim is an omnibus type claim.

#### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1 – 8 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 5,865,546 to Ganthier et al. (Ganthier).

8. Regarding claim 1, Ganthier (Fig. 1) teaches a keyboard (100) for use as an input device for a host computer (Fig. 4, 200) comprising a removable part (130) having a contact (136) and held by a foundation (102), being associated with a specific software application to be executed on said host computer (column 6, lines 17 – 21), and a device for data connection (136), a data storage device (column 6, lines 7 – 13) and an Identification Data ID (column 5, line 66 – column 6, line 5). Ganthier further teaches a keyboard (100) comprising a fixed part (102) having a set of contacts (105), a reader device for reading ID (Fig. 3, 99 and column 6, lines 14 – 16), a first data connection (105), and a second data connection (125).

9. Regarding claim 2, Ganthier (Figs. 1 & 2), as applied to claim 1 above, further teaches a keyboard (100) wherein said reader, said first data connection means, and said storage device are replaced by a mechanical member extending out of the removable part (135) for applying a mechanical force. Whenever said removable (130) part is placed into said fixed part (102), said mechanical force causing ID data related to a specific set to be transmitted to said host computer (Fig. 4, 200) via said second data connection means (125), after a predetermined period has been lapsed (column 6, lines 13 – 24).

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10. Regarding claim 3, Ganthier, as applied to claim 1 above, further teaches a keyboard (100) wherein said removable part is a single rigid unit (130).

11. Regarding claim 4, Ganthier, as applied to claim 1 above, further teaches a keyboard (100) wherein said ID is embedded into said identification mechanism (column 6, lines 2 – 7).

12. Regarding claim 5, Ganthier, as applied to claim 1 above, further teaches a keyboard (100) wherein the keys layout is compatible with a standard 101-keys keyboard (column 3, lines 57 – 60).

13. Regarding claim 6, Ganthier (Fig. 1) teaches a keyboard (100) for use as an input device for a host computer (Fig. 4, 200) comprising a removable part (130) having a contact (136) and held by a foundation (102), being associated with a specific software application to be executed on said host computer (column 6, lines 17 – 21), and a device for data connection (136), a data storage device (column 6, lines 7 – 13) and an Identification Data ID (column 5, line 66 – column 6, line 5). Ganthier further teaches a keyboard (100) comprising a fixed part (102) having a set of contacts (105), a reader device for reading ID (Fig. 3, 99 and column 6, lines 14 – 16), a first data connection (105), and a second data connection (125). Ganthier also teaches a software component (99) for reading said ID and executing one or more programs or predefined operations or applications (column 5, line 66 – column 6, line 24) residing on said host computer (200).

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14. Regarding claim 7, Ganthier, as applied to claim 6 above, further teaches a keyboard (100) wherein said predefined operations are directed to setup said host (column 6, lines 17 – 20).

15. Regarding claim 8, Ganthier (Fig. 1) teaches a keyboard (100) for use as an input device for a host computer (Fig. 4, 200) comprising a removable part (130) having a contact (136) and held by a foundation (102), being associated with a specific software application to be executed on said host computer (column 6, lines 17 – 21), and a device for data connection (136), a data storage device (column 6, lines 7 – 13) and an Identification Data ID (column 5, line 66 – column 6, line 5). Ganthier further teaches a keyboard (100) comprising a fixed part (102) having a set of contacts (105), a reader device for reading ID (Fig. 3, 99 and column 6, lines 14 – 16), a first data connection (105), and a second data connection (125). Ganthier also teaches a software component (99) for reading said ID and executing one or more programs, predefined operations or applications (column 5, line 66 – column 6, line 24) residing on said host computer (200). Further still, Ganthier teaches connecting between said removable part (130) and said fixed part (102) by contact upon placing said removable part on said fixed part (column 4, lines 24 – 29), reading said ID by said reader device (column 6, lines 14 – 16), conveying said ID from said keyboard to said host computer (column 5, lines 53 – 55) via said connection (125), and executing one of more programs, applications, or predefined operations being associated with said ID (column 6, lines 15 – 24).

**Conclusion**

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following US Patents are included to further show the state of the art of interchangeable keyboards:

US Patent 6,081,207 to Batio

US Patent 6,587,094 to Anderson

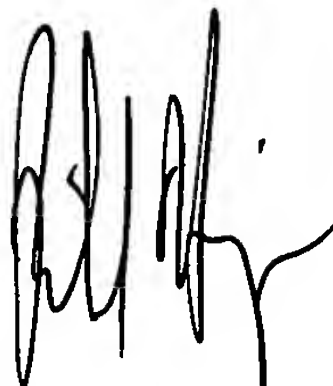
US Patent 5,457,453 to Chiu et al.

US Patent 5,146,615 to Hodsdon et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Prizio whose telephone number is (703) 305-5712. The examiner can normally be reached on Monday-Friday (7:30-5:00), alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.



RICHARD HJERPE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

Peter Prizio  
Examiner  
Art Unit 2674

PP

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